(19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 15 September 2005 (15.09.2005)

PCT

(10) International Publication Number WO 2005/085376 A1

(51) International Patent Classification7: C08F 4/54

C09J 4/06,

(21) International Application Number:

PCT/EP2005/001991

(22) International Filing Date: 23 February 2005 (23.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

US 60/548,828 27 February 2004 (27.02.2004) 60/548,987 1 March 2004 (01.03.2004) US

(71) Applicant (for all designated States except US): AKZO NOBEL N.V. [NL/NL]; Velperweg 76, NL-6824 BM Arnhem (NL).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): ROSINI, Glen [US/US]; 1949 Waterford Way, Seabrook, TX 77586 (US).
- (74) Agents: SCHALKWIJK, Pieter, Cornelis et al.; Akzo Nobel N.V., Intellectual Property Dept. (Dept. AIP), P.O. Box 9300, NL-6800 SB Arnhem (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, $TM,\,TN,\,TR,\,TT,\,TZ,\,UA,\,UG,\,US,\,UZ,\,VC,\,VN,\,YU,\,ZA,$ ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYMERIZATION INITIATOR SYSTEMS CONTAINING ALUMINUM COMPOUNDS AS CURING INHIBITORS AND POLYMERIZABLE COMPOSITIONS MADE THEREWITH

(57) Abstract: The invention is directed to a composition comprising an organoborane/amine complex and an effective amount of an aluminum compound to inhibit curing of the organoborane/amine complex when used as part of a polymerization initiator system in a polymerizable composition containing one or more monomers, oligomers or polymers having olefinic unsaturation. The compositions of the invention can be used in polymerizable compositions, adhesive compositions and coatings compositions containing compounds having moieties which polymerize under free radical polymerization conditions.

